

Title (en)

Ring-signal generation in a slic

Title (de)

Rufsignalerzeugung in einer Teilnehmerschaltung (SLIC)

Title (fr)

Génération d'un signal de sonnerie dans un circuit d'abonné (SLIC)

Publication

EP 0729259 A1 19960828 (EN)

Application

EP 96300428 A 19960123

Priority

US 38433995 A 19950201

Abstract (en)

A ring generator circuit is included in a subscriber line interface circuit (SLIC) for providing a high voltage ring signal to a plurality of ringers at the same time. The ring generator circuit includes an adder and divider circuit connected to receive a DC offset and an AC reference signal from the SLIC. The adder and divider circuit outputs a fractionalized summed signal. That signal is supplied to a full-wave rectifier, which rectifies the fractionalized summed signal so that it is always a positive voltage. The rectified signal is supplied to a switch control circuit, a first amplifier and a second amplifier. The first and second amplifiers have the same gain, but with opposite signs or polarities. The outputs of the first and second amplifiers are sent to a commutating switch, which is controlled by an output of the switch control circuit. The output of the switch control circuit is used to force the commutating switch to output a ring signal that has either a same or a reversed polarity with respect to the summed signal.

<IMAGE>

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H04M 19/02

IPC 8 full level

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CPC (source: EP KR US)

H04M 3/02 (2013.01 - KR); **H04M 19/02** (2013.01 - EP KR US)

Citation (search report)

- [A] US 4431868 A 19840214 - BOLUS DANIEL M [US], et al
- [A] WO 9320645 A1 19931014 - NORTHERN TELECOM LTD [CA]
- [A] F. GOODENOUGH: "SLIC Ejects Relays from PABX Line Cards", ELECTRONIC DESIGN, vol. 42, no. 14, 11 July 1994 (1994-07-11), CLEVELAND, OH, USA, pages 55 - 64, XP000459837

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